

# TOSHIBA PORTEGE 3010CT Specifications

## PART# PAP301U-T2W5

<b>PROCESSOR</b>		Intel Pentium® 266Mhz (2.0V/2.5V) w/MMX Technology	
Integrated Coprocessor		Yes	
Processor Cache		32KB: (16KB code; 16KB data)	
External data bus width		64 bit	
External data/address bus speed		66 MHz	
<b>LEVEL 2 (L2) CACHE</b>		Yes: 512KB	
Data Memory Type		1 Mbit Pipelined Burst Synchronous SRAM (2.5V)	
Data Bus Width		64 Bit	
Access Time		8 ns	
Local Bus Clock Speed		66 Mhz	
<b>SYSTEM ARCHITECTURE</b>		<u>Connecting Devices:</u>	
PCI (V.2.1) Bus: (32-bit, 33 MHz)		PC Card Slots; Video chipset; USB port	
ISA Bus: (16-bit, 8mhz)		FDD; HDD; CD-ROM; BIOS ROM, KBC, Sound chip	
<b>MEMORY: 64Mbit EDO DRAM, 3.3V</b>			
Standard		32 MB	
Maximum		96 MB	
Speed		60ns	
Hyper Page mode memory access		Yes	
Data width		64 bit	
Local Bus Clock Speed		66 MHz	
<b>BIOS (4Mbit FLASH EPROM)</b>		Yes: 512KB	
Supported standards		APM (V.1.2); ACPI; PnP 1.0a ;VESA (V.2.0); DPMS, DCC, DMI (V.2.0)	
<b>DISPLAY</b>			
Type		10.4" Diagonal TFT Active Matrix Color, 800 x 600	
Dot Pitch		0.19mm x .19mm	
Contrast Ratio		100:1 (Min)	
<b>VIDEO</b>			
Memory: <b>EDO-DRAM</b>		2MB ( <i>integrated into Controller chip</i> )	
Speed		50ns	
Hyper Page mode support		Yes	
Controller Chip		NeoMagic (2160) <b>w/128-bit Data Bus Width</b>	
PCI Bus Architecture w/burst mode		Yes: 32-bit, 33 MHz	
Graphics Accelerator:		Yes: supports BiTBLT, H/W Cursor, Scaling	
Digital Video Accelerator:		Yes	
YUV-to-RGB color space conversion		Yes	
<b>INTERNAL SUPPORT</b>			
Full Screen (Using Stretch Utility)		640 x 480 x 16.7M colors	
Full Screen		800 x 600 x 16.7M colors	
Virtual Display mode		1024 x 768 x 64K colors	
<b>EXTERNAL SUPPORT</b>			
		<u>Colors</u>	<u>Vert. Refresh Rate (Non-Interlaced)</u>
640 x 480		16.7M colors	85 Hz
800 x 600		16.7M colors	85 Hz
1024 x 768		64K colors	75 Hz (interlace)

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### STORAGE

<b>HDD</b> (2.5" Enhanced IDE)	4.3 billion bytes (13msec)
Height	8.45mm
Buffer	512KB
Burst Data Transfer Rate	PIO Mode 4
<b>FDD</b> (3.5" 1.44MB) -- External	Bundled
<b>CD-ROM</b> (Optional)	
5.25" 20X Max. speed	External using PC Card

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### KEYBOARD

84 keys with Windows 95/98 support	Yes (full-size key caps; 2mm Travel)
Key Pitch	18mm
12 dedicated function keys	Yes
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes

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<b>Integrated Pointing Device</b>	AccuPoint™
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### EXPANSION SLOTS

Two PC Card Slots	Yes: 1-right side & 1-left side
32-bit, 3.3V PC CardBus Support	Yes
16-bit, 5.0V PC Card Support	Yes
Internal Memory Slot (One only)	Yes

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### EXPANSION PORTS

One Power-in Jack	<b>LOCATION</b> Yes: Rear of unit
One 132-pin expansion bus	Yes: Rear of unit
One Universal Serial Bus (USB) port	Yes: Right side (Supports 127 devices. Throughput Rate: 12Mbps/sec.)
One Fast Infrared port (IrDA2.0: 4Mbps)	Yes: Right side
One External Floppy Drive port	Yes: Right side
Microphone (3.5mm mini jack, monoaural)	Yes: Right side
One Headphone (3.5mm mini jack, stereo)	Yes: Right side
One Noteworthy security lock port	Yes: Right side

### I/O BAR (Port Expander)

One 15-Pin RGB (SVGA video)	<b>(1) Standard: Connects to 132-pin expansion bus -- rear of unit</b> Yes
One 9-Pin Serial (16550 UART compliant)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One (PS/2) 101 Keyboard/Mouse port	Yes: Supports use of Y-cable
<b>Portege "Mini" I/O BAR Adapter</b>	<b>Connects to 132-pin expansion bus -- rear of unit</b>
One (PS/2) 101 Keyboard/Mouse port	Yes: Supports use of Y-cable
One 15-Pin RGB (SVGA video)	Yes

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### POWER

<b>Autosensing External AC Adapter: PA2501U</b>	3.94''L x 1.97''W x .98''D--- .46 lbs
Input (Voltage/Frequency)	100-240V; 50-60Hz
Output (Voltage/Amps)	15 VDC; 2.0A
Power Output (Watts)	30W
Battery Type: Li-Ion	<u>High Capacity Battery (Bundled)</u>
Part Number	PA2458UR
Capacity	10.8V, 2600mAh
Battery Life	Up to 3.8 hrs
Recharge Time (Computer Off/On)	6 hrs./12 hrs.
Power Saving Features	APM v.1.2 BIOS, Processing speed change, Auto Resume, Hibernation, LCD Brightness switch (software)

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<b>PC Card MODEM (Bundled) -- (All Models)</b>		3Com-Noteworthy 56K PC Card Modem (XJ1560)
Data support		
Protocols supported		Bell-103 & 212A, V.21, V.23, V.22, V.22bis, V.32, V.32bis, V.34, V.34+, <b>V.90</b>
Error correction		V.42
Data compression		V.42 bis
Fax support		Group 3, EIA Class 1, EIA Class 2.0
Protocols supported		V.17, V.21 Channel 2, V.27 ter, V.29
Features		X-Jack Connector, Flash DSP/Flash ROM, Digital Line Guard, Hot Swapping, Intelligent Auto Install
<b>SOUND SYSTEM</b>		
Chipsets:		Yamaha OPL3-SA3
16-bit stereo audio playback/record		Yes
Maximum Sampling Rate		44.1 kHz
FM Synthesis support		Yes
Full duplex support		Yes
Built-in Speaker		Yes (monaural, located on left side under palm rest)
Built in Microphone		Yes (monaural, located on right side)
3D Sound support		Yes: when connected to stereo speakers
Sound formats supported:		SoundBlaster Pro™ V3.01, MIDI, Windows Sound System V2.0
<b>DIMENSIONS</b>		10.11"W x .78"H x 7.83"D
<b>WEIGHT</b>		2.91 lbs. (with Enhanced battery)
<b>BUNDLED SOFTWARE</b>		Windows®95, Intel LANDesk Client Manager 3.3, Intel Indel Video Interactive, Mediamatics Arcade Pak, Microsoft Internet Explorer v.3.02, Puma Intellisync 97, America Online, Ring Zero Ring Central, Yamaha Station, Toshiba Custome Utilities, Online Documentation
<b><i>CD's Included: Configuration Builder CD</i></b>		
<b>SECURITY</b>	Miscellaneous	Screen blank (by Hotkey), keyboard (by Hotkey)
	Lock mechanisms	Noteworthy cable lock
	Password security	Power-on & supervisor
<b>WARRANTY</b>		1 YR Parts & Labor (1 YR Battery)
<b>ENVIRONMENTAL SPECIFICATIONS</b>		
	<b><u>Operating</u></b>	<b><u>Non-operating</u></b>
Temperature	41°F (5°C) to 95°F (35°C)	-4°F (-20°C) to 149°F (65°C)
Thermal Gradient: 20° C per hour (max.)	N/A	N/A
Relative Humidity	20% to 80% non-condensing	10% to 90% non-condensing
Altitude:	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock:	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration:	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed